

AFRL-SR-BL-TR-99.

5 MAY 1999

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ing the data needed, burden, to Washington work Reduction Project

1. AGENCY USE ONLY (Leave Blank)		2. REPORT DATE 18 May 1999	3. REPORT TYPE Final Report; 5/1/97 - 12/31/97
4. TITLE AND SUBTITLE 11th VPI&SU Symposium on Structural Dynamics and Control		5. FUNDING NUMBERS F49620-97-1-0303	
6. AUTHOR(S) Daniel J. Inman		8. PERFORMING ORGANIZATION REPORT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Virginia Polytechnic Inst. and State University Blacksburg, VA 24061-0249		10. SPONSORING / MONITORING AGENCY REPORT NUMBER	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) AFOSR/NA ATTN: Major Brian Sanders, Ph.D. 801 North Randolph Street, Room 732 Arlington, VA 22203-1977		11. SUPPLEMENTARY NOTES The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other documentation.	
12 a. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited.		12 b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) This grant was in support of the conference entitled, "11th VPI&SU Symposium on Structural Dynamics and Control." The symposium was held on the campus of Virginia Polytechnic Institute and State University (Virginia Tech) in Blacksburg, Virginia, on May 12-14, 1997. The symposium consisted of 65 papers presented over a three-day period. The results of the conference have been published in a bound volume entitled, <u>Structural Dynamics and Control</u> .			
14. SUBJECT TERMS symposium, dynamics, control		15. NUMBER OF PAGES 11	
16. PRICE CODE			
17. SECURITY CLASSIFICATION OR REPORT UNCLASSIFIED	18. SECURITY CLASSIFICATION ON THIS PAGE UNCLASSIFIED	19. SECURITY CLASSIFICATION OF ABSTRACT UNCLASSIFIED	20. LIMITATION OF ABSTRACT UL

Standard Form 298 (Rev.2-89)
Prescribed by ANSI Std. Z39-18
298-102

Final Report for:

11th VPI&SU Symposium on Structural Dynamics and Control

F49620-97-1-0303

This grant was in support of the conference titled: "Eleventh VPI&SU Symposium on Structural Dynamics and Control". This symposium was held on the campus of Virginia Tech, in Blacksburg, VA, from May 12 – 14, 1997. The conference consisted of 65 papers being presented over a three-day period. The results of the conference have been published in a bound volume titled *Structural Dynamics and Control*. This work clearly acknowledges the support of AFOSR in the preface.

The symposium was organized and run by Prof. L. Meirovitch of our Engineering Science and Mechanics Department. The conference was viewed as a successful exchange of research ideas in structural dynamics and control by all who attended. The table of contents and preface of the proceedings are attached. An attendees list is also appended.

The goal of the meeting was to spark enthusiastic technical exchange in the areas of dynamics and control in a single session environment with ample opportunity for verbal exchange between the delegates. This was accomplished.

PREFACE

With a 40% increase in the number of papers compared to 1995, the Eleventh Blacksburg Symposium demonstrated once again the appeal of this highly-focused conference. Presentations included analytical and experimental developments in structural dynamics and control from a variety of engineering disciplines. particularly well represented were the areas of seismic control of structures, noise control, aeroservoelasticity, control of robots, smart structures, multibody systems, flexible manipulators and control of space structures.

Many thanks are due to D. J. Inman, Symposium Co-Chairman, who helped with the organization of the symposium, as well as to A. M. Baz, R. L. Clark, A. E. Finzi, M. I. Friswell, J. Olsen, R. D. Quinn, M. P. Singh, L. N. Virgin and J. N. Yang for organizing special sessions.

Very much appreciated was the support from Dr. S. C. Liu, National Science Foundation, and Major B. Sanders, Air Force Office of Scientific Research.

Special thanks are due to Norma B. Guynn for her significant help in putting this volume together.

Blackburg, Virginia
December 1997

L. Meirovitch
Symposium Chairman
and Proceedings Editor

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